

## SEQUENCE LISTING

<110> Gaudet, Daniel  
 Rioux, John D.  
 Arsenault, Steve  
 Hudson, Thomas J.  
 Daly, Mark J.

<120> Glycerol As A Predictor of Glucose  
 Tolerance

<130> 2825.1022-003

<140> US 09/694,088

<141> 2000-10-20

<150> US 60/161,141

<151> 1999-10-22

<160> 23

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 60

<212> DNA

<213> Unknown

<220>

<223> Partial nucleic acid sequence of the GK gene  
 comprising a polymorphic site at nucleotide  
 position 13 of exon 3

<400> 1

atgccttctt ttgtcaaaga tgggtggaac argaccctaa ggaaattcta cattctgtct 60

<210> 2

<211> 48

<212> DNA

<213> Unknown

<220>

<223> Partial nucleic acid sequence of the GK gene  
 comprising a polymorphic site at nucleotide  
 position 17 of intron 8

<400> 2

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48

<210> 3

<211> 94

<212> DNA

<213> Unknown

&lt;220&gt;

<223> Partial nucleic acid sequence of the GK gene  
comprising a polymorphic site at nucleotide  
position 29 of exon 10

&lt;400&gt; 3

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&lt;210&gt; 4

&lt;211&gt; 58

&lt;212&gt; DNA

&lt;213&gt; Unknown

&lt;220&gt;

<223> Partial nucleic acid sequence of the GK gene  
comprising a polymorphic site at nucleotide  
position 22 of intron 12

&lt;400&gt; 4

gaaattgggtg agtgtgttct aacaaaagkt tagaaaatct gaaaaatgac acatttca 58

&lt;210&gt; 5

&lt;211&gt; 8079

&lt;212&gt; DNA

&lt;213&gt; Unknown

&lt;220&gt;

&lt;223&gt; Glycerol kinase gene

&lt;221&gt; misc\_feature

&lt;222&gt; 2214, 2215, 2216, 2217

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 5

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&lt;210&gt; 6

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Unknown

&lt;220&gt;

&lt;223&gt; GK N288D mutant

&lt;400&gt; 6

Phe	Gln	Ile	Gly	Gln	Ala	Lys	Asn	Thr	Tyr	Gly	Thr	Gly	Cys	Phe	Leu
1				5					10					15	
Leu	Cys	Asp	Thr	Gly	His	Lys	Cys	Val	Phe	Ser	Asp	His	Gly	Leu	Leu
			20					25					30		
Thr	Thr	Val	Ala	Tyr	Lys	Leu	Gly	Arg							
		35					40								

&lt;210&gt; 7

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7

Phe	Gln	Ile	Gly	Gln	Ala	Lys	Asn	Thr	Tyr	Gly	Thr	Gly	Cys	Phe	Leu
1				5					10					15	
Leu	Cys	Asn	Thr	Gly	His	Lys	Cys	Val	Phe	Ser	Asp	His	Gly	Leu	Leu
			20					25					30		
Thr	Thr	Val	Ala	Tyr	Lys	Leu	Gly	Arg							
		35					40								

&lt;210&gt; 8

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Unknown

&lt;220&gt;

&lt;223&gt; Rat

&lt;400&gt; 8

Phe	Gln	Asp	Gly	Gln	Ala	Lys	Asn	Thr	Tyr	Gly	Thr	Gly	Cys	Phe	Leu
1				5					10					15	
Leu	Cys	Asn	Thr	Gly	His	Lys	Cys	Val	Phe	Ser	Glu	His	Gly	Leu	Leu
			20					25					30		
Thr	Thr	Val	Ala	Tyr	Lys	Leu	Gly	Arg							
		35					40								

&lt;210&gt; 9

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Unknown

&lt;220&gt;

&lt;223&gt; Mouse

&lt;400&gt; 9

Phe	Gln	Asp	Gly	Gln	Ala	Lys	Asn	Thr	Tyr	Gly	Thr	Gly	Cys	Phe	Leu
1				5					10					15	
Leu	Cys	Asn	Thr	Gly	His	Lys	Cys	Val	Phe	Ser	Glu	His	Gly	Leu	Leu
			20					25					30		
Thr	Thr	Val	Ala	Tyr	Lys	Leu	Gly	Arg							
		35					40								

<210> 10  
 <211> 39  
 <212> PRT  
 <213> *E. coli*

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 1 5 10 15  
 Leu Met Asn Thr Gly Glu Lys Ala Val Lys Ser Glu Asn Gly Leu Leu  
 20 25 30  
 Thr Thr Ile Ala Cys Gly Pro  
 35

<210> 11  
 <211> 39  
 <212> PRT  
 <213> *Pseudomonas aeruginosa*

<400> 11  
 Val Glu Pro Gly Gln Ala Lys Asn Thr Tyr Gly Thr Gly Cys Phe Leu  
 1 5 10 15  
 Leu Met His Thr Gly Asp Lys Ala Val Lys Ser Thr His Gly Leu Leu  
 20 25 30  
 Thr Thr Ile Ala Cys Gly Pro  
 35

<210> 12  
 <211> 39  
 <212> PRT  
 <213> *Enterococcus casseliflavus*

<400> 12  
 Phe Glu Lys Gly Met Ile Lys Asn Thr Tyr Gly Thr Gly Ala Phe Ile  
 1 5 10 15  
 Val Met Asn Thr Gly Glu Glu Pro Gln Leu Ser Asp Asn Asp Leu Leu  
 20 25 30  
 Thr Thr Ile Gly Tyr Gly Ile  
 35

<210> 13  
 <211> 41  
 <212> PRT  
 <213> *Haemophilus influenzae*

<400> 13  
 Val His Ala Gly Gln Ala Lys Asn Thr Tyr Gly Thr Gly Cys Phe Met  
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 Leu Leu His Thr Gly Asn Lys Ala Ile Thr Ser Lys Asn Gly Leu Leu  
 20 25 30  
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 35 40

<210> 14  
 <211> 39  
 <212> PRT

<213> *Bacillus subtilis*

<400> 14

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Leu	Met	Asn	Thr	Gly	Glu	Lys	Ala	Ile	Lys	Ser	Glu	His	Gly	Leu	Leu
		20						25					30		
Thr	Thr	Ile	Ala	Trp	Gly	Ile									
		35													

<210> 15

<211> 41

<212> PRT

<213> *Saccharomyces cerevisiae*

<400> 15

Tyr	Lys	Pro	Gly	Ala	Ala	Lys	Cys	Thr	Tyr	Gly	Thr	Gly	Cys	Phe	Leu
1				5					10					15	
Leu	Tyr	Asn	Thr	Gly	Thr	Lys	Lys	Leu	Ile	Ser	Gln	His	Gly	Ala	Leu
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Thr	Thr	Leu	Ala	Phe	Trp	Phe	Pro	His							
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<210> 16

<211> 41

<212> PRT

<213> *Mycoplasma genitalium*

<400> 16

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Leu	Met	Asn	Ile	Gly	Asp	Lys	Pro	Thr	Leu	Ser	Lys	His	Asn	Leu	Leu
		20						25					30		
Thr	Thr	Val	Ala	Trp	Gln	Leu	Glu	Asn							
		35					40								

<210> 17

<211> 39

<212> PRT

<213> *Enterococcus faecalis*

<400> 17

Phe	Glu	Pro	Gly	Met	Val	Lys	Asn	Thr	Tyr	Gly	Thr	Gly	Ser	Phe	Ile
1				5					10					15	
Val	Met	Asn	Thr	Gly	Glu	Glu	Pro	Gln	Leu	Ser	Lys	Asn	Asn	Leu	Leu
		20						25					30		
Thr	Thr	Ile	Gly	Tyr	Gly	Ile									
		35													

<210> 18

<211> 41

<212> PRT

<213> *Mycoplasma pneumoniae*

<400> 18  
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